

# START

9513336.1611

0040201

4

Mr. John Grantham  
State of Washington  
Department of Ecology  
Nuclear & Mixed Waste Program  
P. O. Box 47600  
Olympia, WA 98504-7600

FLUOR DANIEL, INC.



Date: October 19, 1993

Reference: Hanford Waste Vitrification Plant  
DOE Contract DE-AC06-86RL10838  
Fluor Contract 8457

Transmittal No.: WDOE- 682

Dear Mr. Grantham:

TRANSMITTALWe enclose 2 copy of the items listed below. These are issued per US-DOE request.Response due to Fluor: N/AResponds to: A160 PACKAGE

NUMBER	REV	DATE	TITLE
DCN - #0126	0	10/14/93	DCN TITLE: "G" CLASS GATE VALVE MATERIAL SUBSTITUTION  "APPROVED FOR CONSTRUCTION"

Reference: FRP-1253, FUP-685

Distribution:

R. L. Long: DOE-RL, w/0

TWP/AME Corresp Cntrl Cntr, MSIN A5-10  
(A160 PACKAGE), w/0P. Felise, WHC-RL (MSIN G6-06), w/1  
Environmental Data Management Center  
(MSIN H6-08), w/1

D. Duncan, US EPA, Region X, w/0

Very truly yours,

*Lish Sam for*  
R.S. Poulter  
Project Director



RSP:SM:lh

9513336.1612



FLUOR DANIEL

US DEPARTMENT OF ENERGY  
HANFORD WASTE VITRIFICATION PLANT

## DESIGN CHANGE NOTICE

DCN - 0126

REV 0

PAGE 1 OF 3

DCN TITLE

"G" CLASS GATE VALVE  
MATERIAL SUBSTITUTION

DATE INITIATED

10-12-93

PACKAGE NO.  
A160

### SECTION 1: DESCRIPTION OF CHANGE

ELIMINATE THE CARBON STEEL BODY REQUIREMENT FOR 2 1/2 - INCH TO 14 INCH FIREWATER SERVICES, CLASS 150, GATE VALVES IN THE CLASS "G" PIPING SYSTEM AND USE CAST IRON BODY GATE VALVES IN LIEU OF THIS REQUIREMENT. THIS CHANGE IS PERMITTED SINCE THE DBE DESIGN CRITERIA FOR THE FIREWATER SYSTEM HAS BEEN PREVIOUSLY REMOVED.

CAUSE OF  
CHANGE:

- ☐ Field Change Request  
☒ Supplier Disposition  
☐ Deficiency Report  
☐ Design Development  
☐ Change Request  
☐ TBD/Hold  
☐ Other \_\_\_\_\_

SDR -C160-01-5011-  
015

FRR 00554A

\_\_\_\_ Initiating Document(s)

FOR LIST OF AFFECTED DOCUMENTS, SEE SECTIONS 6 AND 7.

### SECTION 2: EVALUATION

WAPA DWG/SPEC?

☒ NO ☐ YES

QUALITY LEVEL 1 DWG/SPEC?

☒ NO ☐ YES

SAFETY CLASS 1 OR 2 DWG/SPEC?

☒ NO ☐ YES

SYSTEMS ANALYSES AFFECTED?

☒ NO ☐ YES

MULTI-DISCIPLINE CHANGE?

☒ NO ☐ YES

IF "YES", ADDITIONAL  
REVIEW REQUIRED BY:

REVIEWER COMMENTS  
AND SIGNATURE/DATE

DCN Evaluated by: Systems for J. Thompson

ADM for J. Thompson

Others \_\_\_\_\_

### SECTION 3: APPROVED FOR CONSTRUCTION

for J. Thompson 10/14/93  
Originator Date

for J. Thompson 10/14/93  
Project Resident Engineer Date

### SECTION 4: CONCURRENCE

Project Management \_\_\_\_\_ Date

Systems \_\_\_\_\_ Date

Independent Safety \_\_\_\_\_ Date

Quality Assurance \_\_\_\_\_ Date

Configuration Management \_\_\_\_\_ Date

### SECTION 5: RELEASED FOR CONSTRUCTION

PE STAMP REQUIRED? ☐ NO ☐ YES

WHC \_\_\_\_\_ Date

UCAT \_\_\_\_\_ Date

DOE \_\_\_\_\_ Date

9513336.1613

**FLUOR DANIEL**US DEPARTMENT OF ENERGY  
HANFORD WASTE VITRIFICATION  
PLANT**DCN - 0126**REV  
0DISCIPLINE  
CIVILPKG. NO.  
**A160**PAGE  
2 OF 3**DESIGN CHANGE NOTICE**

PREPARED BY:

Date:

DISCIPLINE ENGINEER:

Date:

**SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED**

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
B-595-C-A160 SECTION 15061	9	2	MECHANICAL SITE UTILITIES SPECIFICATION, PIPING	Y	CHANGE MATERIAL REQUIREMENT FOR "G" CLASS FIREWATER SERVICE GATE VALVES

**SECTION 7: NON-CONSTRUCTION DOCUMENTS AFFECTED**

This section references affected items such as P&amp;IDs or calculations/analyses, but they are generally not included in DCN package.

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	DESCRIPTION OF CHANGE
--------------------	--------------	-----------	---------------	-----------------------

NA

PROJECT SPECIFICATION: B-595-C-A160, SECTION 15061  
 PART 2: PRODUCTS  
 PARAGRAPH: 2.1.1.E (CLASS G)  
 VALVES


### GATE VALVES

#### I. DELETE THE FOLLOWING PARAGRAPH

2-1/2" - 14" CLASS 150 RAISED FACE FLANGED, OS&Y, CARBON STEEL BODY, BOLTED BONNET, UL LABELLED AS CONFORMING TO UL 262. CRANE FP-47 OR EQUAL. (USE FOR FIREWATER SERVICE).

#### II. ADD THE FOLLOWING PARAGRAPH

2-1/2 - 14" CLASS 150 FLAT FACE FLANGED, OS&Y, CAST IRON BODY, ASTM A126 CLASS B WITH BRONZE TRIM, SOLID WEDGE DISC. CONFORMING TO UL 262. STOCKHAM MODEL G-634 OR EQUAL. (USE FOR FIREWATER SERVICE).

 <b>FLUOR DANIEL</b>		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		<b>DESIGN CHANGE NOTICE</b>		
DESCRIPTION OF CHANGE  <b>CHANGE MATERIAL REQUIREMENT FOR "G" CLASS          FIREWATER VALVES</b>				BASE DOC. NO. B-595-C-A160 SECTION 15061  SHT/PG. 9		
				<b>REV 2</b>		
				DISCIPLINE: <b>CIVIL</b>		
PREPARED BY: <i>[Signature]</i>		DATE: <i>10/4/93</i>		DCN - 0126	REV 0	PG 3
DISCIPLINE ENGINEER: <i>[Signature]</i>		DATE: <i>10/14/93</i>				